A1

--DETECTION/QUANTIFICATION OF TARGETED NUCLEOTIDE CHAINS, AND DETECTION/QUANTIFICATION OF MULTI-STRANDED NUCLEOTIDE CHAINS BY FLUORESCENCE--

Please substitute the paragraph starting at page 30, line 24 and ending at page 31, line 4 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

--(1) Human β_2 adrenergic receptor mRNA was synthesized from human β_2 adrenergic receptor cDNA using T_7RNA polymerase by conventional procedure and purified after the D Nase treatment. A 10 μm, in terms of the base concentration of the targeted portion, stock solution of a targeted nucleotide chain was prepared by properly mixing the aqueous solution of the above mRNA and water.--

A2

Please substitute the paragraph starting at page 32, line 23 and ending at page 33, line 9, with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

--(2) 20-mer oligodeoxynucleotide having base sequence complementary to that of the above model targeted nucleotide chain was obtained as a probe nucleotide chain, and a 100 μm, in terms of the base concentration, stock solution of the probe nucleotide chain was prepared in the same manner as described in (1). In order to fix the probe nucleotide chain on a solid-phase substrate by the covalent bond, 20-mer oligodeoxynucleotide was obtained and used at which 5' terminal an amino group was attached using hexamethylene as a linker. The base sequence was as follows:

A3 cont

A3 cncld

3'TGACCGGCAGCAAAATGTTG-$NH_2$5'

(SEQ ID NO. 2)--

Please substitute the paragraph at page 36, lines 4-13 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

--(2) 20-mer oligodeoxynucleotide having base sequence complementary to that of the above model targeted nucleotide chain was obtained as a probe nucleotide chain in the same manner as in Example 4, and a 100 μm, in terms of the base concentration, stock solution of the probe nucleotide chain was prepared in the same manner as described in (1). The base sequence was as follows:

A4

3'TGACCGGCAGCAAAATGTTG-$NH_2$5'

(SEQ ID NO. 2)--

Please substitute the paragraph at page 37, lines 20-26 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

--(1) Human β_2 adrenergic receptor mRNA was synthesized from human β_2 adrenergic receptor cDNA using T_7RNA polymerase by conventional procedure and purified after the D Nase treatment. A 10 μm stock solution of targeted nucleotide chain was prepared as a base of the targeted portion by properly mixing the aqueous solution of the above mRNA and water.--

A5